Delta University for Science and Technology

Governance Policy

Water Reuse, Consumption, and Pollution Prevention Policy

Policy Code	GOV 12
Policy Name	**Water Reuse, Consumption, and Pollution Prevention Policy**
Handler	Academic Support and Guidance Unit Student affair office Environmental Resource Management Unit
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Approved by	University Council
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Delta University for Science and Technology is committed to the sustainable management of water resources, focusing on the efficient use of water through reuse and responsible consumption, as well as strict measures to prevent water pollution. This comprehensive policy is designed to optimize water usage on campus, reduce environmental impact, and maintain high standards of water quality to ensure a safe and sustainable environment for the entire university community.

Policy Objectives

1. Optimize Water Efficiency: Implement advanced techniques in water reuse and responsible consumption to conserve resources.
2. Reduce Dependence on Natural Resources: Decrease reliance on fresh water by using recycling and efficient water management practices.
3. Prevent Water Pollution: Establish preventive measures to protect water quality, ensuring that campus activities do not contribute to water contamination.
4. Promote Awareness and Education: Engage students, faculty, and staff in sustainability initiatives that emphasize water reuse, conservation, and pollution prevention.

Core Principles

1. Sustainable Water Resource Management: Adopting industry-leading practices to manage water use effectively, minimizing waste and conserving resources.
2. Recycling and Reuse of Treated Water: Utilizing treated water for non-potable purposes, such as landscaping and cleaning, to preserve potable water for essential uses.
3. Conscious Water Consumption: Promoting a culture of responsible water use across all university activities and facilities.
4. Water Quality Preservation: Conducting regular testing and maintenance to ensure that reused and consumed water meet health and environmental standards.
5. Pollution Prevention: Implementing protective measures to prevent contamination of water systems from campus activities.

Pollution Prevention Measures

1. Separation of Water Systems: Maintain a clear separation between clean water and sewage systems to prevent cross-contamination.
2. Regular Inspections and Maintenance: Conduct periodic inspections of water systems to identify potential contamination risks and ensure the integrity of all water infrastructure.
3. Specialized Treatment for Hazardous Wastewater: Implement specific treatment processes for wastewater generated in laboratories, cafeterias, and other high-risk areas to prevent harmful substances from entering the main water systems.
4. Community Engagement and Workshops: Organize educational workshops on pollution prevention, addressing topics such as the role of civil society in environmental protection, sustainable water management, and modern desalination and treatment technologies.

University Commitments

1. Education and Training Programs: Providing comprehensive programs to raise awareness about water sustainability practices, with a focus on reuse, conservation, and pollution prevention.
2. Systematic Maintenance: Ensuring that all water-related systems, including those for reuse and pollution prevention, are maintained to uphold high standards of safety and efficiency.
3. Compliance with Global Standards: Adhering to recognized international standards for water reuse, consumption, and pollution control, establishing the university as a model of environmental responsibility.

Roles and Responsibilities

- **Environmental Resource Management Unit**: Responsible for implementing and monitoring the policy, ensuring the effectiveness of water conservation, reuse, and pollution prevention measures.
- **University Community (Students, Faculty, and Staff)**: Expected to comply with water use and pollution prevention guidelines, actively participate in awareness programs, and adopt sustainable practices.

Monitoring and Evaluation

The effectiveness of this policy will be monitored through:

1. **Performance Assessments**: Conducting routine evaluations of water usage, reuse efficiency, and pollution prevention measures, with necessary adjustments.
2. **Annual Policy Updates**: Reviewing and updating the policy annually to incorporate advancements in sustainability practices and respond to new challenges.
3. **Detailed Reporting**: Preparing an annual report for the University Council, detailing water usage data, performance of pollution prevention strategies, and recommendations for improvements.

By adopting this Water Reuse, Consumption, and Pollution Prevention Policy, Delta University for Science and Technology underscores its commitment to environmental protection. This policy demonstrates the university's proactive stance on conserving water resources, preventing pollution, and fostering a culture of sustainability, ensuring a healthier and more sustainable future for the campus and its surrounding community.